

TECHNICAL DATA SHEET FOR

PROOF-SEAL 5101**Drainage Sheet**

PROOF-SEAL 5101 is a high-density polyethylene (HDPE) dimpled sheet for protection and drainage of structures subjected to the ingress of water and as a sub-base course under slabs to prevent rising dampness.

FEATURES

- Lightweight and easy to install
- Root and rhizome resistant
- Rot resistant
- High compressive strength

APPLICATION AREAS

- Foundation Slab & Walls
- Tunnels

PHYSICAL PROPERTIES

Appearance	Black
Roll size	2.0m x 20m
Mass per Unit Area	0.55 kg/m ²
Studs Height	9mm

PERFORMANCE DATA

Properties	Test Method	Typical Value
Wide-Width Tensile Strength	EN ISO 10319: 2015	> 6.70 kN/m
Drainage Flow Rate	ISO 12958-1: 2020	> 3.29 (l/s)/m
Compression Strength	ASTM D6364-06: 2018	> 180 kN/m ²

SURFACE PREPARATION

Prepare the substrate to ICRI Concrete Surface Profile 1 to 5. Surface must be sound and clean, free of curing compound, mould release agent, cement laitance, oil, grease and contaminant. Concrete must be cured for at least 7 days.

APPLICATION METHOD

PROOF-SEAL 5101 is to be applied with conic studs facing toward the substrate where the source of water is most likely to occur. It can be loose-laid (horizontal area) or with the use of concrete nails or self-tapping screws with washers (horizontal and vertical areas) at a distance of 200-300mm center-to-center

Overlapping of adjacent rolls should be at least 100mm (4 studs) and overlapped areas are to be sealed with **PROOF-SEAL 7401** single-sided tape. Where **PROOF-SEAL 5101** is to be laid directly on the waterproofing membrane, use **PROOF-SEAL 7402** double-sided tape or spindle pin so as not to puncture the waterproofing membrane.

Please contact Nippon Paint Singapore representative for the latest detailed drawing and application instructions (Method Statement).

STORAGE AND SHELF LIFE**Storage:**

PROOF-SEAL 5101 should be stored in a vertical or horizontal position on pallets at room temperature between 10°C to 38°C in a cool, dry and away from direct sunlight and rain, and at least 1m away from heat source.

Shelf Life:

- Expected shelf life is 12 months with the above-mentioned storage condition.

HEALTH AND SAFETY

Refer to the product Safety Data Sheet for more information.

DISCLAIMER

The information in this data sheet is given to the best of Nippon Paint's knowledge and practical experience. Users may consult with Nippon Paint on the general suitability of the product for their needs and specific application practices though it remains each user's responsibility to determine the suitability of the product for the user's particular use. The condition of the substrate and application are not within Nippon Paint's control. Therefore, no implied conditions, warranties or other terms will apply to the Product. Nippon Paint does not and cannot warrant the results which the user may obtain by using the product. In no event will Nippon Paint be liable to the user for any kind of loss (whether direct or indirect) even if Nippon Paint was previously advised of it. In line with Nippon Paint's policy for continuous development, Nippon Paint reserves the right to modify the product and the information in this data sheet without prior notice. It is the user's responsibility to check with Nippon Paint for the latest version of this data sheet. This data sheet has been translated into various languages. In the event of any inconsistency, the English version shall prevail.